

## **CLAIMS**

### **WHAT IS CLAIMED IS:**

1. A computer-implemented method for linking a semiconductor product manufacturing facility order with a quotation, the method comprising:
  - receiving the quotation including at least a first product and its quote amount;
  - storing the quote amount associated with the first product;
  - receiving the product manufacturing facility order that identifies at least the first product and desired quantity; and
  - calculating an order price associated with the first product by
    - accessing the stored quote amount associated with the first product, and
    - determining the order price based on the quote amount associated with the first product and the desired quantity identified in the product manufacturing facility order.
2. The computer-implemented method of claim 1 wherein the product manufacturing facility is a semiconductor foundry.
3. The computer-implemented method of claim 1 wherein the quote amount is stored in a quotation database.
4. The computer-implemented method of claim 3, and further comprising:
  - storing predetermined information associated with the first product in a product database;
  - updating a mapping database with predetermined information from the quotation database and the product database associated with the first product;
  - wherein the order price is calculated by accessing the quote amount from
    - determining the order price based on the quote amount from the mapping database associated with the first product and the quantity identified in the product manufacturing facility order.

5. The computer-implemented method of claim 4, wherein the mapping database is updated automatically when the quotation database is changed.
6. The computer-implemented method of claim 5, wherein the mapping database is updated automatically when a new quotation is entered into the quotation database utilizing a database trigger.
7. The computer-implemented method of claim 5, wherein the mapping database is updated automatically when a new quotation is entered into the quotation database utilizing a auto-call function.
8. The computer-implemented method of claim 4, wherein the mapping database is updated automatically when the product database is changed.
9. The computer-implemented method of claim 1, further comprising:
  - receiving a quote amount for a second product;
  - storing the quote amount associated with the second product; and
  - calculating an order price associated with the second product, wherein the received the product manufacturing facility order identifies at least the first product and the second product and desired respective quantities, by
    - accessing the stored quote amount associated with the second product, and
    - determining the order price for the second product based on the stored quote amount associated with the second product and the desired quantity identified in the product manufacturing facility order.

10. The computer-implemented method of claim 9, wherein the quote amount associated with the first product and the quote amount associated with the second product are in the same quotation.

11. A computer-implemented method for linking a semiconductor product manufacturing facility order with a quotation, the method comprising:

- receiving the quotation including at least two products and their respective quote amounts;
- storing the two quote amounts;
- receiving the product manufacturing facility order that identifies at least the two products and their respective desired quantities; and
- calculating order prices associated with the at least two products by
  - accessing the quote amounts associated with the products, and
  - determining the order prices based on the respective quote amounts associated with the products and their respective desired quantities identified in the product manufacturing facility order.

12. The computer-implemented method of claim 11, wherein the product manufacturing facility is a semiconductor foundry.

13. The computer-implemented method of claim 11, wherein the quote amounts are stored in respective quotation database records in a quotation database.

14. The computer-implemented method of claim 13, further comprising:  
storing predetermined information associated with the first product and second product in respective product database records;

updating respective mapping database records in a mapping database with predetermined information from the quotation database records and the product database records associated with the first product and second product;  
wherein the order prices are calculated by accessing the quote amounts from the respective mapping database records associated with the products and determining the order prices based on the quote amounts from the mapping database records associated with the products and the respective quantities identified in the product manufacturing facility order.

15. The computer-implemented method of claim 14, wherein the mapping database is updated automatically when the quotation database is changed.

16. The computer-implemented method of claim 15, wherein the mapping database is updated automatically when a new quotation is entered into the quotation database utilizing a database trigger.

17. The computer-implemented method of claim 15, wherein the mapping database is updated automatically when a new quotation is entered into the quotation database utilizing a auto-call function.

18. The computer-implemented method of claim 14, wherein the mapping database is updated automatically when the product database is changed.

19. A computer-readable medium having stored thereon sequences of instruction for responding to a request for linking a semiconductor product manufacturing facility order with a quotation, the sequence of instructions including instructions for performing the steps of:

receiving the quotation including at least a first product and its quote amount;  
storing the quote amount;

receiving the product manufacturing facility order that identifies at least the first product and desired quantity; and  
calculating an order price associated with the first product by  
accessing the quote amount associated with the first product, and  
determining the order price based on the quote amount associated with the first product and the quantity identified in the product manufacturing facility order.

20. The computer-readable medium of claim 19, wherein the product manufacturing facility is a semiconductor foundry.

21. The computer-readable medium of claim 19, wherein the sequence of instructions further comprises instructions for performing the steps of:  
storing the quotation amount in a quotation database.

22. The computer-readable medium of claim 21, the sequence of instructions further comprises instructions for performing the steps of:  
storing predetermined information associated with the first product in a product database;  
updating a mapping database with predetermined information from the quotation database and the product database associated with the first product;  
wherein the order price is calculated by accessing the quote amount from the mapping database associated with the first product and determining the order price based on the quote amount from the mapping database associated with the first product and the quantity identified in the product manufacturing facility order.

23. The computer-readable medium of claim 22, wherein the mapping database is updated automatically when a new quotation is entered into the quotation database utilizing a database trigger

24. The computer-readable medium of claim 22, wherein the mapping database is updated automatically when a new quotation is entered into the quotation database utilizing a auto-call function.

25. The computer-readable medium of claim 22, wherein the mapping database is updated automatically when the product database is changed.

26. A system for linking a product manufacturing facility order with a quotation, the system comprising:

- a quotation entry device for entering the quotation that includes at least a first product and its quote amount;
- memory connected to the data entry device configured to receive the quote amount;
- an order entry device for entering the product manufacturing facility order that identifies at least the first ordered product and the desired quantity; and
- a price calculator configured to receive the product manufacturing facility order from the order entry device, to access the memory to identify the quote amount associated with the ordered product, and to calculate a price for the product based on the desired quantity and the quote amount.

27. The system of claim 26, wherein the product manufacturing facility is a semiconductor foundry.

28. The system of claim 26, wherein the memory comprises a quotation database connected to the order entry device;

a product database configured to receive product information; and  
a mapping database that interfaces with both the quotation database and product database  
capable of storing information associated with the product.

29. The system of claim 28, wherein the quotation database additionally comprises  
an automatic updating mapping database mechanism which updates the mapping database  
when the quotation database is changed.
30. The system of claim 28, wherein the product database additionally comprises  
an automatic updating mapping database mechanism which updates the mapping database  
when the product  
database is changed.
31. The system of claim 26, wherein the quotation entry device and the order entry device  
comprise a single device.
32. The system of claim 31, wherein the single device is a personal data assistant.
33. The system of claim 26, wherein the quotation entry device is connected to the memory via a  
wireless connection.
34. The system of claim 26, wherein the order entry device is connected to the price calculator  
via a wireless connection.